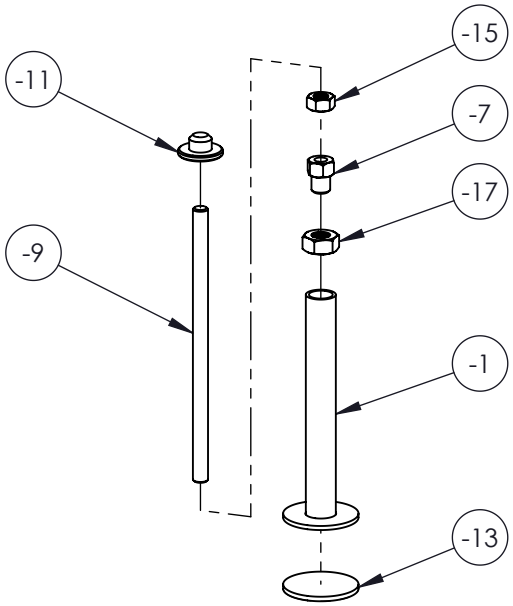
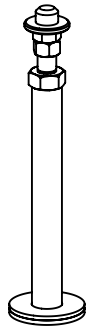
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/24/2017	DPD	JAG





UNDER REVIEW

URF 17-710 VM

NOTES:

PART OF KIT RBEM323U3006103.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	BASE WELDMENT			2
	1		-3		BASE TUBE	6061		3
	1		-5		BASE PLATE	6061		4
			-7	1	SPECIAL NUT	303 S.S.		5
			-9	1	THREADED ROD	S.S.	M8 X 1.25 X 200mm (MCMASTER-CARR #98863A539) MODIFIED	6
			-11	1	CAP	WHITE DELRIN		7
			-13	1	BASE CUSHION	RUBBER	.100 THICK (MCMASTER-CARR #8824T13) MODIFIED	8
		B/O	-15	1	HEX NUT	S.S.	M8 X 1.25mm (MCMASTER-CARR #91828A410)	1
		B/O	-17	1	HEX NUT	S.S.	M10 X 1.5mm (MCMASTER-CARR #91828A415)	1
	ASSY -1							

DART AEROSPACE

TITLE: TOOL B

DWG NO. RBEM323U3006103B REV 1

MAT'L

HEAT TREAT

FINISH

SPEC

DRAWN BY: DUERFELDT

CHECKED: MACKOVJAK

OPPS APPR: ANDERSON

QA APPR: LINDSAY

APPROVED: GILBERT

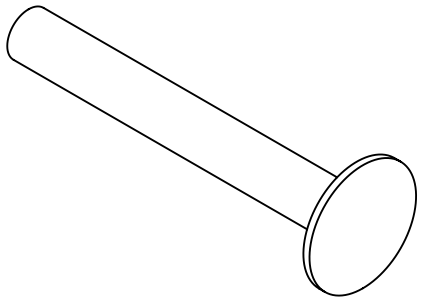
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

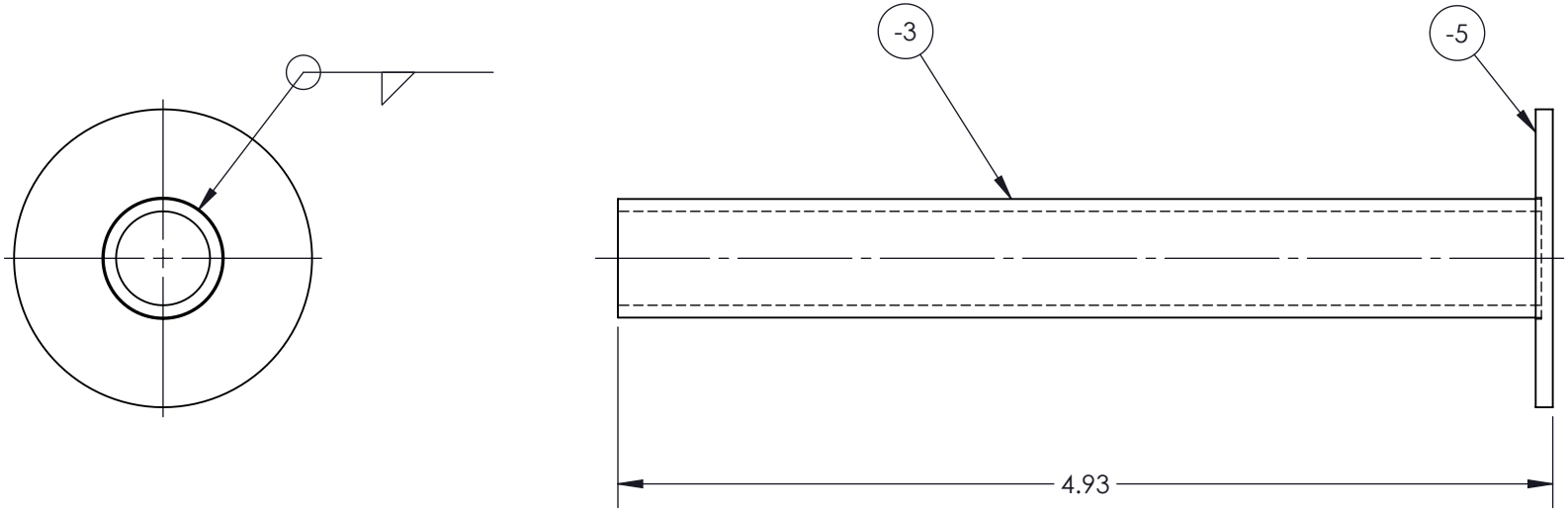
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL: H175

SCALE 1:4 DATE 3/21/2016 SHEET 1 OF 8

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





UNDER REVIEW

URF 17-692 VM

-1

BASE WELDMENT

DART AEROSPACE

TITLE	TOOL B
DWG NO.	RBEM323U3006103B-1
REV	1
MAT'L	
HEAT TREAT	
FINISH	POWDER COAT YELLOW
SPEC	FED #13538
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:1
DATE	3/21/2016
SHEET	2 OF 8

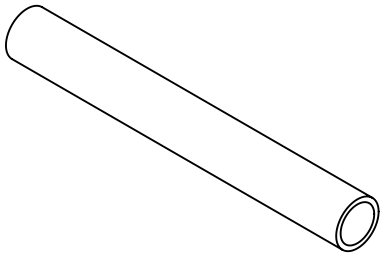
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

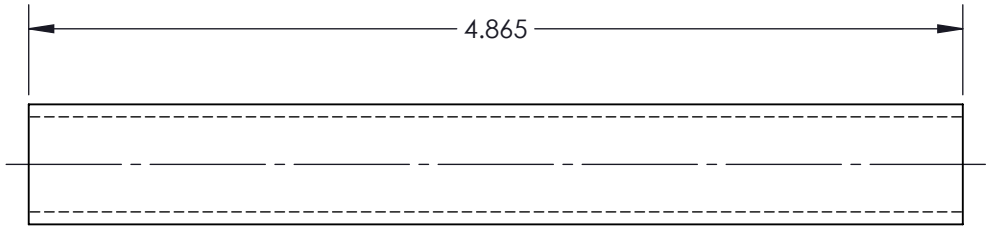
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

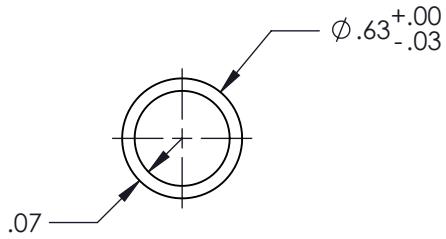
USED ON MODEL

H175

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED







UNDER REVIEW

URF 17-692 VM

DART AEROSPACE

TITLE: TOOL B

DWG NO. RBEM323U3006103B-3 REV 1

MAT'L	6061
HEAT TREAT	
FINISH	SEE -1
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

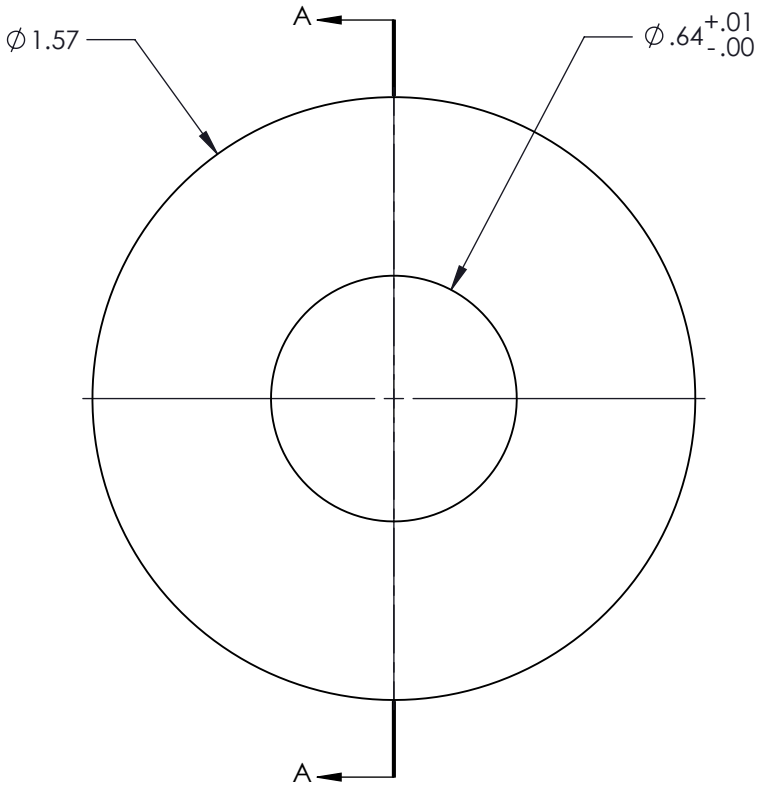
USED ON MODEL: H175

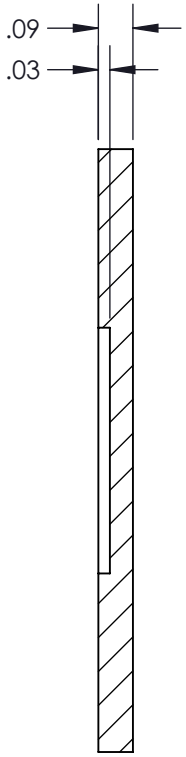
SCALE 1:1 | DATE 3/21/2016 | SHEET 3 OF 8

-3

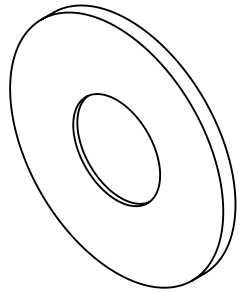
BASE TUBE

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





SECTION A-A



UNDER REVIEW

URF 17-692 VM

DART AEROSPACE

TITLE: TOOL B

DWG NO. RBEM323U3006103B-5 REV 1

MAT'L	6061
HEAT TREAT	
FINISH	SEE -1
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

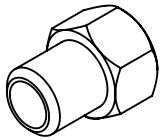
USED ON MODEL: H175

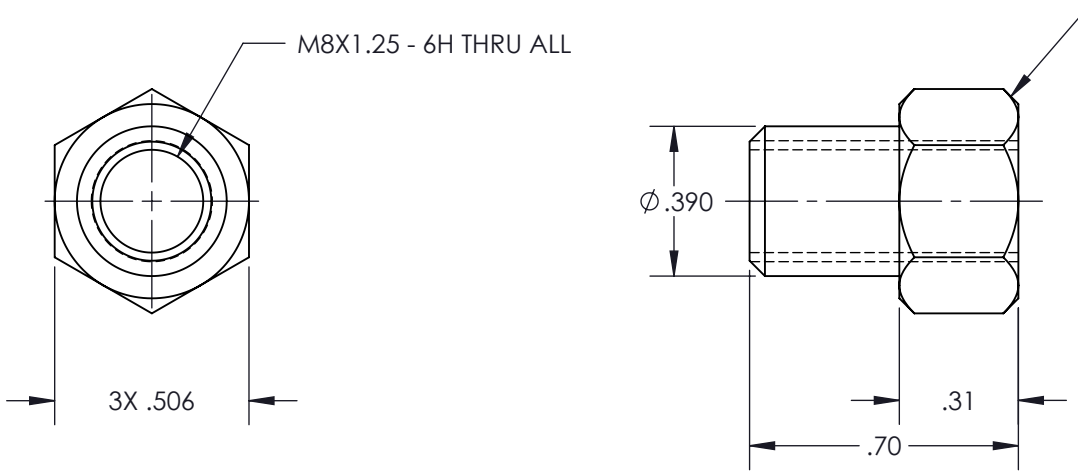
SCALE 2:1 | DATE 3/21/2016 | SHEET 4 OF 8

(-5)

BASE PLATE

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





UNDER REVIEW

URF 17-692 VM

-7

SPECIAL NUT

DART AEROSPACE

TITLE	TOOL B
DWG NO.	RBEM323U3006103B-7
REV	1
MAT'L	303 S.S.
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	2:1
DATE	3/18/2016
SHEET	5 OF 8

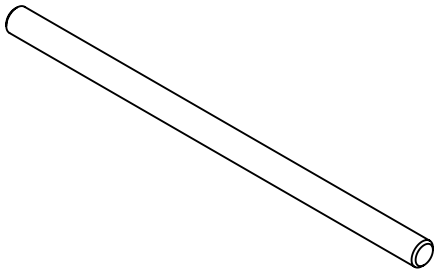
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

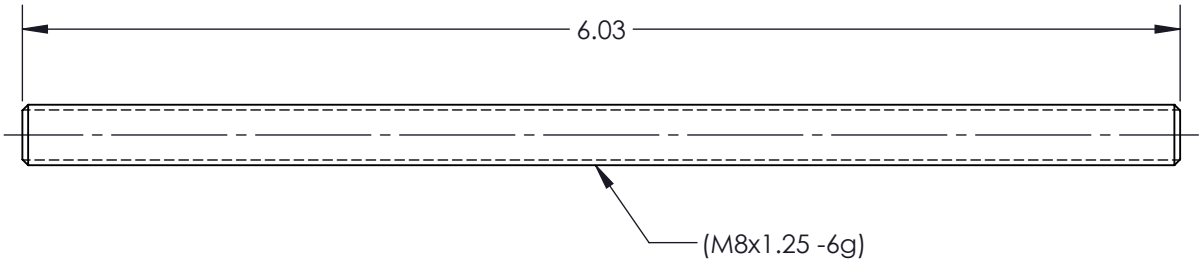
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

H175

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





UNDER REVIEW

URF 17-692 VM

DART AEROSPACE

TITLE	TOOL B
DWG NO.	RBEM323U3006103B-9
REV	1
MAT'L	S.S.
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:1
DATE	3/18/2016
SHEET	6 OF 8

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

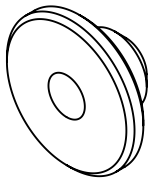
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

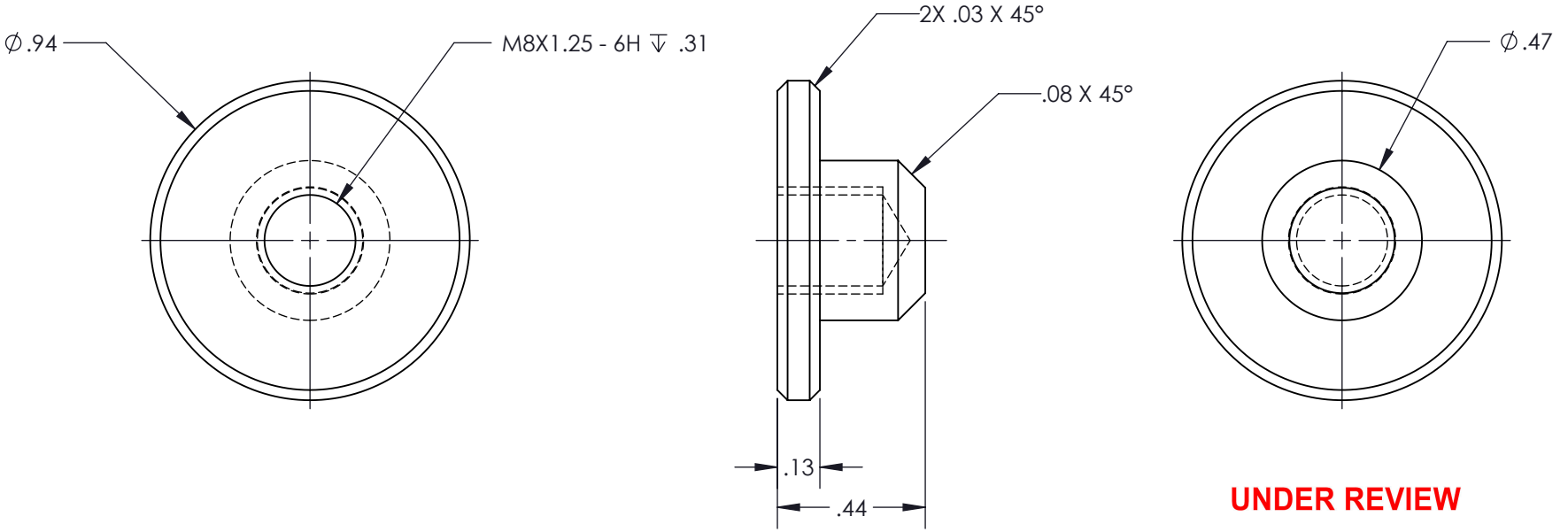
USED ON MODEL: H175

-9

THREADED ROD

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





UNDER REVIEW

URF 17-692 VM

(-11)

CAP

DART AEROSPACE

TITLE	TOOL B
DWG NO.	RBEM323U3006103B-11
REV	1
MAT'L	WHITE DELRIN
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	2:1
DATE	3/21/2016
SHEET	7 OF 8

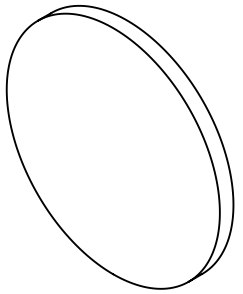
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

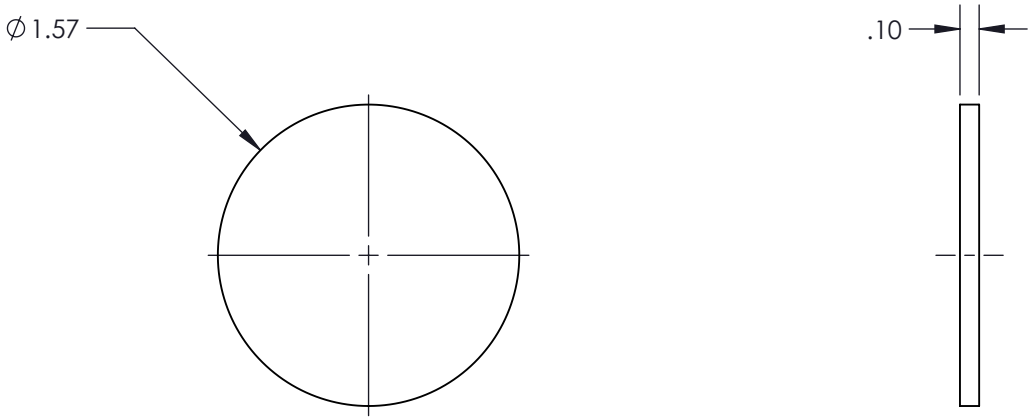
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

H175

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





UNDER REVIEW

URF 17-692 VM

DART AEROSPACE

TITLE	TOOL B
DWG NO.	RBEM323U3006103B-13
REV	1
MAT'L	RUBBER
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:1
DATE	3/21/2016
SHEET	8 OF 8

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
H175

(-13)

BASE CUSHION